

ABSTRACT OF THE DISCLOSURE

A control system and control method for a swap-shift transmission having auxiliary and main gearsets
5 wherein precise synchronization control of ratio changes of
each gearset at the start and at the end of a swap-upshift
progression is achieved using an adaptive control to adjust
friction element pressure values and slip times for friction
elements of each gearset, whereby shift synchronization is
10 achieved throughout the operating life of the transmission.